

10/730642

## Refine Search

### Search Results -

Terms	Documents
L6 and (predict\$ with destinat\$)	7

Database:

US Pre-Grant Publication Full-Text Database  
 US Patents Full-Text Database  
 US OCR Full-Text Database  
 EPO Abstracts Database  
 JPO Abstracts Database  
 Derwent World Patents Index  
 IBM Technical Disclosure Bulletins

Search:

L7



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### Search History

DATE: Friday, February 02, 2007   [Purge Queries](#)   [Printable Copy](#)   [Create Case](#)

<u>Set</u> <u>Name</u> side by side	<u>Query</u>	<u>Hit</u> <u>Count</u>	<u>Set</u> <u>Name</u> result set
	DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; THES=ASSIGNEE; PLUR=YES; OP=OR		
<u>L7</u>	L6 and (predict\$ with destinat\$)	7	<u>L7</u>
<u>L6</u>	l4 or L5	315	<u>L6</u>
<u>L5</u>	predict\$ and learn\$ and (pattern adj recogni\$) and destinat\$ and (vehicle or car or automobile) and @pd<=20031208	204	<u>L5</u>
<u>L4</u>	predict\$ and learn\$ and (pattern adj recogni\$) and destinat\$ and (vehicle or car or automobile) and @ad<=20031208	314	<u>L4</u>
	DB=PGPB,USPT; THES=ASSIGNEE; PLUR=YES; OP=OR		
<u>L3</u>	L1 AND ATTRIBUT\$2	2	<u>L3</u>
	DB=USPT; THES=ASSIGNEE; PLUR=YES; OP=OR		
<u>L2</u>	7143091.PN.	1	<u>L2</u>
	DB=PGPB,USPT; THES=ASSIGNEE; PLUR=YES; OP=OR		
<u>L1</u>	6330453.PN. OR 20030055555 OR 20030004636 7143091PN.	3	<u>L1</u>

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L7: Entry 7 of 7

File: USPT

Oct 11, 1994

US-PAT-NO: 5354957

DOCUMENT-IDENTIFIER: US 5354957 A

TITLE: Artificially intelligent traffic modeling and prediction system

DATE-ISSUED: October 11, 1994

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Robertson; Euan	Polmont			GB6

## ASSIGNEE-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY	TYPE CODE
Inventio AG	Hergiswil			CH	03

APPL-NO: 08/049091 [PALM]

DATE FILED: April 16, 1993

## FOREIGN-APPL-PRIORITY-DATA:

COUNTRY	APPL-NO	APPL-DATE
GB	9208466	April 16, 1992

INT-CL-ISSUED: [05] B66B 1/18

## INT-CL-CURRENT:

TYPE	IPC	DATE
CIPS	<u>B66 B 1/18</u>	20060101
CIPS	<u>B66 B 1/20</u>	20060101

US-CL-ISSUED: 187/247; 187/387

US-CL-CURRENT: 187/247; 187/387

FIELD-OF-CLASSIFICATION-SEARCH: 187/127, 187/124, 187/132, 187/137

See application file for complete search history.

PRIOR-ART-DISCLOSED:

U.S. PATENT DOCUMENTS

Search Selected

Search ALL

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	PAT-NO	ISSUE-DATE	PATENTEE-NAME	US-CL
<input type="checkbox"/>	<u>5022497</u>	June 1991	Thanagavelu	187/124
<input type="checkbox"/>	<u>5024295</u>	June 1991	Thanagavelu	187/125

## FOREIGN PATENT DOCUMENTS

FOREIGN-PAT-NO	PUBN-DATE	COUNTRY	CLASS
0348152	December 1989	EP	
2237663	May 1991	GB	
2245997	January 1992	GB	

## OTHER PUBLICATIONS

Mechatronics, vol. 2, No. 1, Ovaska, Electronics and Information Technology in Hi-Range Systems, pp. 89-99, Feb. 19, 1992, Great Britain.

ART-UNIT: 212

PRIMARY-EXAMINER: Stephan; Steven L.

ASSISTANT-EXAMINER: Nappi; Robert

ATTY-AGENT-FIRM: Howard & Howard

## ABSTRACT:

A system for allocating hall calls in a group of elevators includes a plurality of neural network modules to model, learn and predict passenger arrival rates and passenger destination probabilities. The models learn the traffic occurring in a building by inputting to the neural networks traffic data previously stored. The neural networks then adjust their internal structure to make historic predictions based on data of the previous day and real time predictions based on data of the last ten minutes. The predictions of arrival rates are combined to provide optimum predictions. From every set of historic car calls and the optimum arrival rates, a matrix is constructed which stores entries representing the number of passengers with the same intended destination for each hall call. The traffic predictions are used separately or in combination by a group control to improve operating cost computations and car allocation, thereby reducing the travelling and waiting times of current and future passengers.

9 Claims, 10 Drawing figures

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Search Results - Record(s) 1 through 7 of 7 returned.

☐ 1. Document ID: US 20060053014 A1

L7: Entry 1 of 7

File: PGPB

Mar 9, 2006

PGPUB-DOCUMENT-NUMBER: 20060053014

PGPUB-FILING-TYPE:

DOCUMENT-IDENTIFIER: US 20060053014 A1

TITLE: Standard model creating device and standard model creating method

PUBLICATION-DATE: March 9, 2006

INVENTOR-INFORMATION:

NAME

CITY

STATE

COUNTRY

Yoshizawa; Shinichi

Hirakata-shi

JP

US-CL-CURRENT: 704/256.4

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	RWMC	Draw D
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☐ 2. Document ID: US 20060036560 A1

L7: Entry 2 of 7

File: PGPB

Feb 16, 2006

PGPUB-DOCUMENT-NUMBER: 20060036560

PGPUB-FILING-TYPE:

DOCUMENT-IDENTIFIER: US 20060036560 A1

TITLE: Intelligently interactive profiling system and method

PUBLICATION-DATE: February 16, 2006

INVENTOR-INFORMATION:

NAME

CITY

STATE

COUNTRY

Fogel; DavidB

San Diego

CA

US

US-CL-CURRENT: 706/45; 702/182, 706/12

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	RWMC	Draw D
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☐ 3. Document ID: US 20050125148 A1

L7: Entry 3 of 7

File: PGPB

Jun 9, 2005

PGPUB-DOCUMENT-NUMBER: 20050125148  
PGPUB-FILING-TYPE: new  
DOCUMENT-IDENTIFIER: US 20050125148 A1

TITLE: Prediction of vehicle operator destinations

PUBLICATION-DATE: June 9, 2005

## INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Van Buer, Darrel J.	Los Angeles	CA	US
Johnson, Richard A.	Rochester Hills	MI	US
Dao, Son K.	Northridge	CA	US
Simon, Andrea Marie	Walled Lake	MI	US

US-CL-CURRENT: 701/209; 340/995.19

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	RWD	Draw D
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☐ 4. Document ID: US 20020065828 A1

L7: Entry 4 of 7

File: PGPB

May 30, 2002

PGPUB-DOCUMENT-NUMBER: 20020065828  
PGPUB-FILING-TYPE: new  
DOCUMENT-IDENTIFIER: US 20020065828 A1

TITLE: Network communication using telephone number URI/URL identification handle

PUBLICATION-DATE: May 30, 2002

## INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Goodspeed, John D.	Annapolis	MD	US

US-CL-CURRENT: 707/100; 707/10, 709/218

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	RWD	Draw D
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☐ 5. Document ID: US 6925432 B2

L7: Entry 5 of 7

File: USPT

Aug 2, 2005

US-PAT-NO: 6925432  
DOCUMENT-IDENTIFIER: US 6925432 B2

TITLE: Method and apparatus using discriminative training in natural language call routing and document retrieval

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw De
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☐ 6. Document ID: US 6237721 B1

L7: Entry 6 of 7

File: USPT

May 29, 2001

US-PAT-NO: 6237721

DOCUMENT-IDENTIFIER: US 6237721 B1

TITLE: Procedure for control of an elevator group consisting of double-deck elevators, which optimizes passenger journey time

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw De
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☐ 7. Document ID: US 5354957 A

L7: Entry 7 of 7

File: USPT

Oct 11, 1994

US-PAT-NO: 5354957

DOCUMENT-IDENTIFIER: US 5354957 A

TITLE: Artificially intelligent traffic modeling and prediction system

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw De
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Clear

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Terms

Documents

L6 and (predict\$ with destinat\$)

7

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